

Exhibit 2: CMS-HCC Dialysis Model¹

<u>Variable</u>	<u>Label</u>	<u>Relative Factor</u>
<u>Age/Sex Groups</u>		
Male < 35		0.648
Male 35-44		0.654
Male 45-54		0.676
Male 55-59		0.723
Male 60-64		0.719
Male 65-69		0.775
Male 70-74		0.786
Male 75-79		0.806
Male 80-84		0.832
Male 85+		0.873
Female < 35		0.719
Female 35-44		0.722
Female 45-54		0.743
Female 55-59		0.735
Female 60-64		0.756
Female 65-69		0.826
Female 70-74		0.848
Female 75-79		0.863
Female 80-84		0.869
Female 85+		0.919

<u>Disease Groups</u>		
HCC1	HIV/AIDS	0.174
HCC2	Septicemia/Shock	0.075
HCC5	Opportunistic Infections	0.070
HCC7	Metastatic Cancer and Acute Leukemia	0.161
HCC8	Lung, Upper Digestive Tract, and Other Severe Cancers	0.161
HCC9	Lymphatic, Head and Neck, Brain and Other Major Cancers	0.149
HCC10	Breast, Prostate, Colorectal and Other Cancers and Tumors	0.047
HCC15	Diabetes with Renal or Peripheral Circulatory Manifestation	0.106
HCC16	Diabetes with Neurologic or Other Specified Manifestation	0.106
HCC17	Diabetes with Acute Complications	0.106
HCC18	Diabetes with Ophthalmologic or Unspecified Manifestation	0.106
HCC19	Diabetes without Complication	0.106
HCC21	Protein-Calorie Malnutrition	0.073
HCC25	End-Stage Liver Disease	0.113
HCC26	Cirrhosis of Liver	0.100
HCC27	Chronic Hepatitis	0.035
HCC31	Intestinal Obstruction/Perforation	0.061

HCC32	Pancreatic Disease	0.075
HCC33	Inflammatory Bowel Disease	0.100
HCC37	Bone/Joint/Muscle Infections/Necrosis	0.135
HCC38	Rheumatoid Arthritis and Inflammatory Connective Tissue Disease	0.092
HCC44	Severe Hematological Disorders	0.096
HCC45	Disorders of Immunity	0.058
HCC51	Drug/Alcohol Psychosis	0.030
HCC52	Drug/Alcohol Dependence	0.030
HCC54	Schizophrenia	0.116
HCC55	Major Depressive, Bipolar, and Paranoid Disorders	0.116
HCC67	Quadriplegia, Other Extensive Paralysis	0.260
HCC68	Paraplegia	0.260
HCC69	Spinal Cord Disorders/Injuries	0.090
HCC70	Muscular Dystrophy	0.076
HCC71	Polyneuropathy	0.050
HCC72	Multiple Sclerosis	0.076
HCC73	Parkinson's and Huntington's Diseases	0.037
HCC74	Seizure Disorders and Convulsions	0.067
HCC75	Coma, Brain Compression/Anoxic Damage	0.072
HCC77	Respirator Dependence/Tracheostomy Status	0.199
HCC78	Respiratory Arrest	0.181
HCC79	Cardio-Respiratory Failure and Shock	0.066
HCC80	Congestive Heart Failure	0.082
HCC81	Acute Myocardial Infarction	0.091
HCC82	Unstable Angina and Other Acute Ischemic Heart Disease	0.091
HCC83	Angina Pectoris/Old Myocardial Infarction	0.034
HCC92	Specified Heart Arrhythmias	0.066
HCC95	Cerebral Hemorrhage	0.059
HCC96	Ischemic or Unspecified Stroke	0.059
HCC100	Hemiplegia/Hemiparesis	0.082
HCC101	Cerebral Palsy and Other Paralytic Syndromes	0.063
HCC104	Vascular Disease with Complications	0.141
HCC105	Vascular Disease	0.057
HCC107	Cystic Fibrosis	0.074
HCC108	Chronic Obstructive Pulmonary Disease	0.074
HCC111	Aspiration and Specified Bacterial Pneumonias	0.118
HCC112	Pneumococcal Pneumonia, Emphysema, Lung Abscess	0.042
HCC119	Proliferative Diabetic Retinopathy and Vitreous Hemorrhage	0.038
HCC148	Decubitus Ulcer of Skin	0.177
HCC149	Chronic Ulcer of Skin, Except Decubitus	0.111
HCC150	Extensive Third-Degree Burns	0.084
HCC154	Sever Head Injury	0.072
HCC155	Major Head Injury	0.039
HCC157	Vertebral Fractures without Spinal Cord Injury	0.047
HCC158	Hip Fracture/Dislocation	0.051

HCC161	Traumatic Amputation	0.094
HCC164	Major Complications of Medical Care and Trauma	0.027
HCC174	Major Organ Transplant Status	0.171
HCC176	Artificial Openings for Feeding or Elimination	0.073
HCC177	Amputation Status, Lower Limb/Amputation Complications	0.094

Medicaid Interactions with Age and Sex

Medicaid Male, Aged		0.049
Medicaid Male, Disabled		0.042
Medicaid Female, Aged		0.035
Medicaid Female, Disabled		0.051

Originally Disabled Interactions With Sex

Originally – ESRD Male	65+, Originally Entitled due to ESRD/ w or wo Disability	-0.052
Originally – ESRD Female	65+, Originally Entitled due to ESRD/ w or wo Disability	-0.069
Originally – Disabled Male	65+, Originally Entitled due to Disability (non-ESRD)	0.023
Originally – Disabled Female	65+, Originally Entitled due to Disability (non-ESRD)	0.050

Disabled/Disease Interactions

D-HCC5	<65 * Opportunistic Infections	0.083
D-HCC44	<65 * Severe Hematological Disorders	0.065
D-HCC51	<65 * Drug/Alcohol Psychosis	0.065
D-HCC52	<65 * Drug/Alcohol Dependence	0.087
D-HCC107	<65 * Cystic Fibrosis	0.185

¹This model is used for those beneficiaries who were enrolled in fee-for-service Medicare from January 1 through December 31 of the previous year.